# KbdRegister

**Bindings**:

C:

```
#define INCL_KBD

USHORT  rc = KbdRegister(ModuleName, EntryPoint, FunctionMask);

PSZ              ModuleName;    /* Module name */
PSZ              EntryPoint;    /* Entry point name */
ULONG            FunctionMask;  /* Function mask */

USHORT           rc;            /* return code */
```

MASM:

```
EXTRN  KbdRegister:FAR
INCL_KBD            EQU 1

PUSH@  ASCIIZ  ModuleName    ;Module name
PUSH@  ASCIIZ  EntryPoint    ;Entry point name
PUSH   DWORD   FunctionMask  ;Function mask
CALL   KbdRegister

Returns WORD
```

This call registers a keyboard subsystem within a session.

KbdRegister (ModuleName, EntryPoint, FunctionMask)

*ModuleName* (*PSZ*) - input Address of the dynamic link module name. Maximum length is 9 bytes (including ASCIIZ terminator).

*EntryPoint* (**PSZ**) - input Address of the dynamic link entry point name of a routine that receives control when any of the registered functions are called. Maximum length is 33 bytes (including ASCIIZ terminator).

*FunctionMask* (**ULONG**) - input A bit mask where each bit identifies a keyboard function being registered. The bit values are:

| Bit | Description |
|---|---|
| 31-15 | Reserved, must be set to zero. |
| 14 | KbdGetHWId |
| 13 | KbdSetCustXt |
| 12 | KbdXlate |
| 11 | KbdSetCp |
| 10 | KbdGetCp |

| Bit | Description |
|---|---|
| 9 | KbdFreeFocus |
| 8 | KbdGetFocus |
| 7 | KbdClose |
| 6 | KbdOpen |
| 5 | KbdStringIn |
| 4 | KbdSetStatus |
| 3 | KbdGetStatus |
| 2 | KbdFlushBuffer |
| 1 | KbdPeek |
| 0 | KbdCharIn |

*rc* (**USHORT**) - return Return code descriptions are:

| | |
|---|---|
| 0 | NO_ERROR |
| 408 | ERROR_KBD_INVALID_ASCIIZ |
| 409 | ERROR_KBD_INVALID_MASK |
| 410 | ERROR_KBD_REGISTER |
| 464 | ERROR_KBD_DETACHED |
| 504 | ERROR_KBD_EXTENDED_SG |

### Remarks

There can be only one *KbdRegister* call outstanding for each session without an intervening KbdDeRegister. *KbdDeRegister* must be issued by the same process that issued the *KbdRegister*.

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